

## ABSTRACT

### Display device dedicated to proximity detection

The invention pertains to a display device, the surface of the device being rendered touch-sensitive, the device comprising a first dedicated part comprising two insulating plates (1, 2), a layer (3) of material exhibiting electro-optical properties suitable for rendering all or part of its surface visible under the effect of an electrical control signal, the layer (3) being disposed between the two plates (1, 2), at least one first electrode (4, 5) having the shape of a pictogram, the first electrode (4, 5) being disposed on a face (6) of one (2) of the insulating plates, a second electrode (7) disposed on a face (8) of the other (1) insulating plate opposite at least one first electrode (4, 5).

According to the invention, the second electrode (7) is used as responsive element of the touch-sensitive surface of the device, the surface area of the second electrode (7) is at least  $9 \text{ mm}^2$ , and the surface area of the second electrode (7) is greater than the surface area or the sum of the surface areas of the first electrode or electrodes (4, 5) opposite.

Fig. 2a and 2b